

**SYSTEM AND METHOD FOR COMMUNICATING WITH A KEY VARIABLE
LOADER (KVL) USING A STANDARD UNIVERSAL ASYNCHRONOUS
RECEIVER TRANSMITTER (UART) PERIPHERAL**

5

ABSTRACT OF THE DISCLOSURE

An encryption key interface system (200) includes a universal asynchronous receiver transmitter (UART) peripheral (209) that communicates with a key variable loader (KVL) (201) through a communications link (205, 207). A driver application (211) associated with the UART peripheral (209) is used to both receive and transmit commands to the KVL (201). The invention operates to allow the driver application (211) to communicate key command information to the KVL (201) without the use of a timer peripheral enabling the system to interface with a much broader range of devices utilizing encryption keys without requiring the use of timer system resources.

10